

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
13 October 2005 (13.10.2005)

PCT

(10) International Publication Number
WO 2005/094194 A3

(51) International Patent Classification⁷: **H04L 12/08**,
12/46, 12/16

Koon-Seok [KR/KR]; Sungwon Apt. 102-1406, 45-1 Sangnam-Dong, Changwon-Shi, Kyungsangnam-Do 641-778 (KR). **KIM, Yong-Tae** [KR/KR]; Daedong Apt. 1006-1504, Mukea-Ri, Jangyou-Myun, Gimhae-Shi, Kyungsangnam-Do 621-833 (KR).

(21) International Application Number:

PCT/KR2005/000949

(74) Agent: **LEE, Kwang-Yeon**; LEE & KIM, 5th Floor, New-Seoul Bldg., 828-8, Yoksam 1-Dong, Kangnam-Ku, Seoul 135-935 (KR).

(22) International Filing Date: 31 March 2005 (31.03.2005)

(25) Filing Language: Korean

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(26) Publication Language: English

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),

(30) Priority Data:

10-2004-0022215 31 March 2004 (31.03.2004) KR
10-2004-0022214 31 March 2004 (31.03.2004) KR
10-2004-0022213 31 March 2004 (31.03.2004) KR

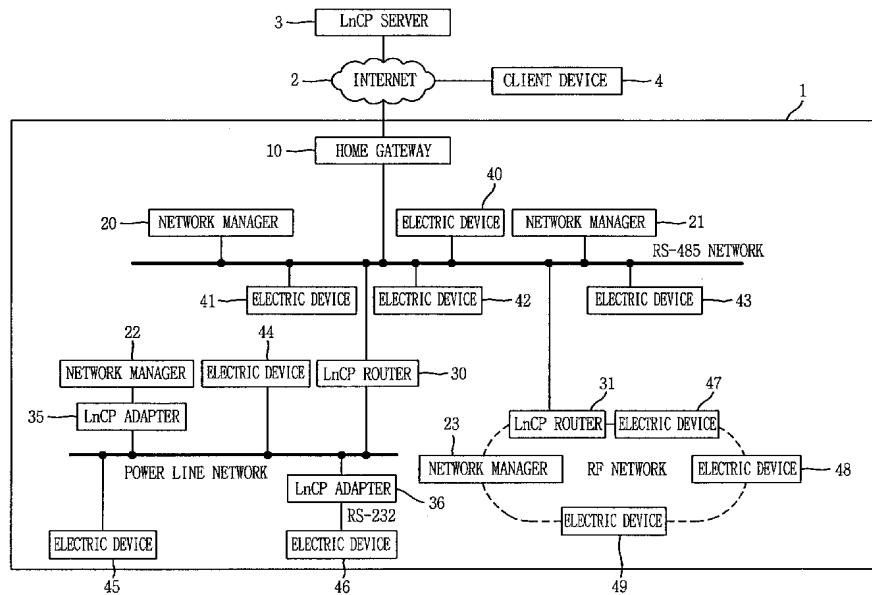
(71) Applicant (for all designated States except US): **LG ELECTRONICS, INC.** [KR/KR]; 20, Yoido-Dong, Yongsungpo-Ku, Seoul 150-010 (KR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **BAEK, Seung-Myun** [KR/KR]; Lucky Apt. 12-403, Banlim-Dong, Changwon-Shi, Kyungsangnam-Do 641-764 (KR). **LEE, Koon-Seok** [KR/KR]; Sungwon Apt. 102-1406, 45-1 Sangnam-Dong, Changwon-Shi, Kyungsangnam-Do 641-778 (KR).

[Continued on next page]

(54) Title: DATA PROCESSING METHOD FOR APPLICATION LAYER



(57) Abstract: The present invention discloses a data processing method for application layer based on a living network control protocol. The data processing method for application layer which is based on a predetermined protocol composed of at least a lower layer and an application layer includes the steps of: receiving a predetermined primitive from an upper application software; generating a communication cycle identifier (CycleID) according to the primitive; generating a service description according to the primitive and the communication cycle identifier (CycleID); composing an application layer protocol data unit (APDU) including the primitive; and transmitting the APDU to the lower layer.

WO 2005/094194 A3



European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(88) Date of publication of the international search report:
24 November 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*